

Converting Colors

XYZ(20.6557, 18.2238, 78.0612)

Have a look what the booklet for
XYZ(20.6557, 18.2238, 78.0612)
contains.

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Color

**XYZ(20.6692, 18.2603,
78.0365)**

Conversions

Conversions Part 1

Format	Color
Hex	0074E7
RGB	0, 116, 231
RGB Percent	0%, 45%, 91%
CMY	0.9998, 0.5451, 0.0941
CMYK	1.00, 0.50, 0.00, 0.09
HSL	210°, 100%, 45%
HSV	210°, 100%, 91%
XYZ	20.6692, 18.2603, 78.0365
YIQ	94.4260, -106.0510, 11.1730

Conversions

Conversions Part 2

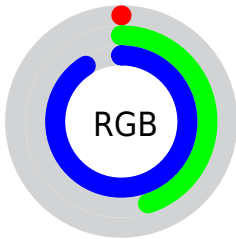
Format	Color
RYB	0, 77, 231
Decimal	29927
CIELab	49.81, 17.01, -65.52
CIELCh	50, 67.688, 284.555
Yxy	18.2603, 0.1767, 0.1561
Android (android.graphics.Color)	4278220007 (0xFF0074E7)
YUV	94.4260, 67.3310, -82.8116
Hunter-Lab	42.7321, 11.5581, -78.3618

Details

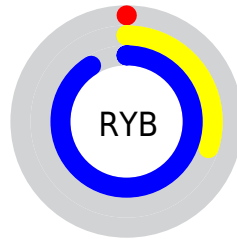
The XYZ color **20.6692, 18.2603, 78.0365** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **39.0934, 29.2648, 3.5900**, and the grayscale version is **10.6082, 11.1606, 12.1539**.

A 20% lighter version of the original color is **37.8126, 37.9216, 99.9344**, and **9.7681, 7.3122, 40.9410** is the 20% darker color. If you saturate the color by 10%, you get **20.6658, 18.2533, 78.0358**, and if you desaturate by 10%, it is **22.4355, 21.2627, 78.5234**.

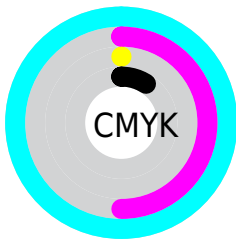
Distribution



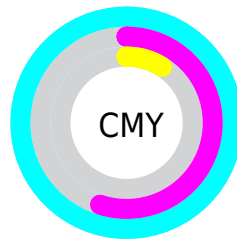
- Red (0%)
- Green (45%)
- Blue (91%)



- Red (0%)
- Yellow (30%)
- Blue (91%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (55%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6692, 18.2603, 78.0365 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.6692, 18.2603, 78.0365 by changing the saturation by 10% instead.

■ 20.6692, 18.2603,
78.0365

■ 20.6692, 18.2603,
78.0365

248.2803,
242.3342, 507.8220

■ 12.9935, 11.1370,
57.5873

■ 44.0318, 40.4804,
132.3879

■ 7.5010, 6.1591,
41.0645

■ 60.4494, 56.3460,
167.1272

■ 3.8265, 2.9421,
28.0494

■ 80.5116, 75.8945,
207.4670

■ 1.6044, 1.1016,
18.1235

■ 104.5839, 99.5102,
253.8258

■ 0.3953, 0.0000,
10.8684

■ 133.0315,
127.5777, 306.6222

■ 0.0000, 0.0000,
5.8653

166.2199,

■ 0.0000, 0.0000,

160.4812, 366.2747

2.6959

204.5144,
198.6053, 433.2017

■ 0.0000, 0.0000,
0.9414

■ 0.0000, 0.0000,
0.0000

■ 20.6692, 18.2603,
78.0365

■ 20.6692, 18.2603,
78.0365

■ 20.6658, 18.2533,
78.0358

■ 22.4355, 21.2627,
78.5234

■ 24.7960, 24.8236,
79.0863

■ 27.8917, 29.0237,
79.7338

■ 31.8064, 33.9139,
80.4714

■ 36.6110, 39.5380,
81.3037

■ 42.3680, 45.9353,
82.2351

■ 49.1338, 53.1418,
83.2695

■ 56.9603, 61.1908,
84.4106

■ 65.8953, 70.1131,
85.6619

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



14.2529, 18.2603, 77.6811



20.6692, 18.2603, 78.0365



27.6135, 18.2603, 57.5431

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.6692, 18.2603, 78.0365



27.7999, 18.2603, 3.9087



7.9234, 18.2603, 11.8320

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.6692, 18.2603, 78.0365



39.0934, 29.2648, 3.5900

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.0169, 18.2603, 3.7781



20.6692, 18.2603, 78.0365



20.8794, 18.2603, 1.5262

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.6692, 18.2603, 78.0365



32.3728, 18.2603, 12.2138



14.4170, 18.2603, 1.5005



7.8939, 18.2603, 30.2321

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.6692, 18.2603, 78.0365



31.1661, 18.2603, 39.4233



14.4170, 18.2603, 1.5005



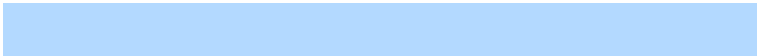
8.3805, 18.2603, 8.1781

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.6701, 18.2608, 78.0370



61.3135, 66.3212, 104.1774



31.4838, 58.3154, 24.8333



12.3237, 13.3520, 22.1776



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.6701, 18.2608, 78.0370



25.7715, 22.6630, 97.6238



14.4671, 5.8549, 75.9694



14.1777, 15.0768, 18.3072



11.7098, 10.4816, 43.7892



0.9582, 0.9604, 3.2668

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36.1083, 18.2513, 18.1428



45.1375, 22.8190, 22.4537



60.4661, 72.0103, 10.7143



14.6773, 14.4881, 16.5010



20.3040, 10.2558, 10.4960



1.5473, 0.7766, 1.0226

Previews

White Background



This preview shows how the XYZ color 20.6692, 18.2603, 78.0365 looks on a white background.

Color Contrast Check

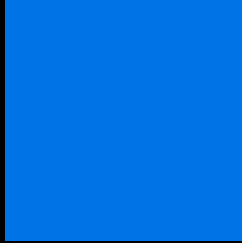
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.6692, 18.2603, 78.0365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

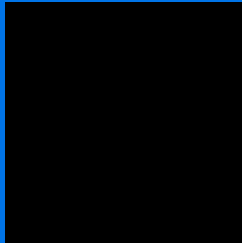
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

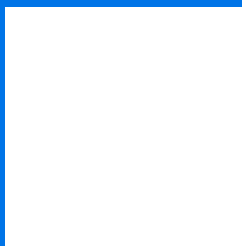
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6692, 18.2603, 78.0365

Background



This preview shows how black text looks on a background with the XYZ color 20.6692, 18.2603, 78.0365.



This preview shows how white text looks on a background with the XYZ color 20.6692, 18.2603,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.6692, 18.2603, 78.0365

Protanopia

21.4268, 18.3447, 76.5403

Deuteranopia

18.4702, 18.3279, 63.5369



Tritanopia

12.7765, 18.0967, 27.2457

Trichromacy



Original Color

20.6692, 18.2603, 78.0365

Protanomaly

20.9787, 18.2659, 77.2829

Deuteranomaly

19.2517, 18.2556, 68.8387

Tritanomaly

14.9072, 17.9003, 41.6991

Monochromacy



Original Color

20.6692, 18.2603, 78.0365

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.6489, 12.4770, 28.1799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6692, 18.2603, 78.0365 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 116, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 231)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 116, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 231) }
```

Border

The CSS property to change the border of an element to XYZ 20.6692, 18.2603, 78.0365 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 116, 231) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(0, 116, 231) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 116, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6692, 18.2603, 78.0365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 231) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 116,  
231) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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